

**COMPILATION OF COMMENTS ON COMMITTEE DRAFT**

Project number: <b>80/61993-2/Ed.1</b>	Reference number of the CD <b>80/269/CD</b>
IEC/TC or SC <b>TC80</b>	Date of circulation <b>2001-01-12</b>

Title of the TC or SC: <b>Maritime navigation and radiocommunication equipment and systems</b>
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<b>Title of the committee draft:</b> <b>IEC 61993 - Maritime navigation and radiocommunication equipment and systems - Part 2:</b> <b>Universal shipborne automatic identification system - Performance requirements, methods of</b> <b>testing and required test results.</b>
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The above-mentioned document was circulated to National Committees with a request that comments be submitted
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<b>Comments received</b> – see annex <sup>1</sup>
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<b>DECISION OF THE CHAIRMAN</b> (in cooperation with the secretariat)
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- a* ☒ A revised committee draft will be circulated as a committee draft for vote (CDV) by (date) **2001-01-31**
- b* ☐ A revised committee draft will be circulated for comment by (date) .....
- c* ☐ The committee draft and comments will be discussed at the next meeting (date) .....

NOTE In the case of a proposal *a* or *b* made by the chairman, P-members objecting to such a proposal shall inform the Central Office with copy to the secretary in writing within 2 months of the circulation of this compilation (see ISO/IEC Directives, Part 1, 2.5.3).

Name or signature of the Secretary  <b>M. A. Rambaut</b>	Name or signature of the Chairman  <b>Dr A. Norris</b>
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<sup>1</sup> to be collated on Form 8C and annexed.

## Annex

Date 2001-01-03	Document 80/269/CD - (Universal AIS)
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National Committee	Clause/ Subclause	Paragraph Figure/ Table	Type of comment (General/ Technical/Editorial)	COMMENTS	Proposed change	OBSERVATIONS OF THE SECRETARIAT on each comment submitted
Russia			General	Appeal to IMO (NAV 46) with propose as a matter of urgency to prepare the addition to the resolution MSC 74(69) Annex 3 containing general performance standards for AIS means of automatic tracking, parameters of movement and collision avoidance, including ship trial manoeuvre.		Agreed. It should suggested to RU to address IMO on the subject through the appropriate channels.
Russia	4.1		General	Addition	To add the item 4.1 «General» with the requirement 1.5.3.3 of SOLAS V/19 (NAV 45/14/Add.1, Annex 6): AIS shall : .1 provide automatically to appropriately equipped shore stations, other ships and aircraft information, including the ship's identity, type, position, course, speed, navigational status and other safety-related information; .2 received automatically such information from similarly fitted ships; .3 monitor and track ships; and .4 exchange data shore-based facilities. The requirements of this paragraph shall not be applied to cases where international agreements, rules or standards provide for the protection of navigational information. AIS shall be operated taking into account the guidelines adopted by the Organization.	Agreed in principle. However the wording used corresponds to the wording of IMO Res 74(69) annex 3 and not to the draft version referred to by RU. See above
GB	4.1.4		Technical	The British Committee cannot support a requirement for third party certification and will have to vote against this document at CDV stage if this clause remains as written.	Change the text to refer to the IMO requirement. Suggest " It should be noted that the IMO have requirements for quality assurance. These are contained in SOLAS Chapter 5 regulation 18.5".	Agreed to use the text of new V ,18.5.

National Committee	Clause/ Subclause	Paragraph Figure/ Table	Type of comment (General/ Technical/Editorial)	COMMENTS	Proposed change	OBSERVATIONS OF THE SECRETARIAT on each comment submitted
Russia	6.1		Editorial	Addition	To add the item 6.1 «Composition» with requirement: AIS shall consist of: -transponder ( see 6.1.1) -means of display and automatic tracking ( may be separate delivery )	Disagree. The words used are the IMO words and need not be clarified.
Russia	6.1.1		Editorial	Change	To change the item 6.1.1 «The AIS shall comprise» to « The AIS transponder shall comprise»	Disagree. The words used are the IMO words and need not be clarified.
Russia	6.12.1		Tecnical	Change	To write the item 6.12.1 as follow: Display shall provide the following indication: <ul style="list-style-type: none"> <li>- manual input voyages;</li> <li>- manual input safety related messages;</li> <li>- integrity test data;</li> <li>- own ship heading, speed and position sensor's data;</li> <li>- manual input responses for long range interrogations.</li> </ul> Display shall provide at least 160 characters in two or more lines.  Display and manual input device may be integral part of the AIS transponder or remote.	Agreed on all bullets except last one, with editorial changes. Disagree to the last bullet as access to the LR application is to be foreseen in the communication equipment.  Disagree with the specificity of the proposed requirement. CI 6.12.1 clearly specifies the functional requirement.  Agreed
Russia	6.13		Editorial	New Clause 6.13	To add item 6 with the item 6.13 «Collision avoidance display»: AIS shall provide the means of processing and display information for collision avoidance with feasibility and accuracy not worse than required in the standard IEC 60872-1. For this purpose international standards, such as ARPA (IEC 60872-1 ), Radar with chart facilities (IEC 60936-3) and ECDIS ( IEC 61174 ) shall be applied.	Agreed in principle. However the IMO requirement are now under review (agenda of NAV 47). TC 80 has also initiated a new work item proposal on the subject. To wait until results are available and insert in a future normative annex.

National Committee	Clause/ Subclause	Paragraph Figure/ Table	Type of comment (General/ Technical/Editorial)	COMMENTS	Proposed change	OBSERVATIONS OF THE SECRETARIAT on each comment submitted
Russia	7.6.5.1.1		Technical	Taking into consideration that information update rates for ship at anchor in autonomous mode is 3 min , to change the item 7.6.5.1.1 as follows:	At power on, a station shall monitor the TDMA channel for three (3) minute....	Disagree. Not necessary and not in line with the requirements of ITU R. M-1371.
Japan	7.6.10	Table 24	Technical	On the line of SOG, (0-102.4 knots) should be read as	(0-102.3 knots)	agreed
Japan	7.6.12	Table 27	Technical	Total number of Bits at DSI=1, 184-654 should be read as	184-656	agreed
Japan	7.6.12.2	Table 30	Technical	In the Description of WP i.Lon, l = 1,2,3,...12 should read as	l = 1,2,3,...11	agreed
Japan	7.6.12.2	Table 30	Technical	In the Description of WP i.Lat, l = 1,2,3,...12 should read as	l = 1,2,3,...11	agreed
Japan	7.6.12.3	Table 31	Technical	Number of slots used for this message should be corrected from 3 to	4 at Number of next waypoint transmitted = 11	agreed
Japan	7.6.16	Table 41	Technical	In the Description of Message ID, Identifier for this message should	always 9	agreed
Japan	7.6.13	Table 35	Technical	Maximum binary data bytes at number of slot =5 should be corrected from 120 to	117	agreed
Japan	7.6.15	Table 40	Technical	Maximum binary data bytes at number of slot =5 should be corrected from 124 to	121	agreed
Japan	7.6.19	Table 44	Technical	Maximum binary data bytes at number of slot =5 should be corrected from 160 to	156	agreed
Japan	7.6.21	Table 46	Technical	Maximum binary data bytes at number of slot =5 should be corrected from 165 to	161	agreed
Japan	7.6.27	Table 54	Technical	Maximum binary data bytes at number of slot =5 should be corrected from 124 to	121	agreed
Japan	7.6.22	2 <sup>nd</sup> para.	Technical	A mobile station can be interrogated for message identifiers	3 and 5, (see Annex G.2.3 , 5 <sup>th</sup> line.)	agreed
Japan	7.7.4.1	Legend	Editorial	To be reviewed		agreed
Japan	7.9.3.4	Footnote of Table 61	Technical	To be reviewed		agreed
Russia	8		General	Changes to Item 8	For the item 8: - To exclude the DSC mode for polling; - To exclude the feasibility to transmit DSC messages in shipborne AIS as it would inevitably impair the TDMA mode operation	Disagree because the AIS must comply with ITU R M.1371.
Japan	14.2.1		Technical	To be reviewed		agreed

National Committee	Clause/ Subclause	Paragraph Figure/ Table	Type of comment (General/ Technical/Editorial)	COMMENTS	Proposed change	OBSERVATIONS OF THE SECRETARIAT on each comment submitted
Japan	15.1.10	Figure 27	Technical	To be reviewd		agreed
Japan	19.6		Editorial	To be reviewd		agreed
Russia	Annex C		General		For Annex C «Specification of chart symbols to be used»: - Agree with symbols, proposed by Dr. Lee Alexander ( Integration and presentation of AIS Information on ECDIS, IEC TC80/MT1 ) for IEC 61174/ Annex E modification. - The list of symbols to add with AIS base station symbol in form of red color circle with 5-10 mm diameter, contenting ID base station and position.	Agreed in principle. However the IMO requirement are now under review (agenda of NAV 47). TC 80 has also initiated a new work item proposal on the subject. To wait until results are available and insert in a future normative annex.
Japan	Annex G.1		Technical	To be reviewd		agreed
Japan	Annex G.2.2	NOTE 5	Technical	To be reviewd		agreed
Japan	Annex G.2.4	1 <sup>st</sup> para.	Technical	To be reviewd		agreed
Japan	Annex H.1		Editrial	To be reviewd		agreed
Japan	Annex I		Editorial	To be reviewd		agreed